

IN THE CLAIMS:

Please amend claims 1, 31 and 40 and cancel claims 5, 35 and 44 as follows.

1. (Currently Amended) In a communication system comprising at least one network, including network entities which provide connectivity to user equipment, a method of connecting the user equipment to the at least one network comprising:

establishing a secure tunnel which provides connection between the user equipment and one of the network entities; and

authenticating the user equipment with another of the network entities; and
wherein

the authenticating of the user equipment with the another of the network entities occurs at least partially simultaneously with a phase of the establishing of the secure tunnel, wherein the phase is determined based on a protocol or authentication method,

wherein establishing the secure tunnel begins before authenticating the user and wherein during a time between a beginning of establishing the secure tunnel with one of the network entities and a beginning of authenticating the user equipment with another of the network entities, the at least one network communicates with the user equipment to confirm that the request from the user equipment to establish a secure tunnel is not part of a denial of service attack, and wherein

communication during the time includes at least one of a request for an identification of the user equipment and a request for capability of the user equipment to support at least one data protocol.

2. (Original) A method in accordance with claim 1 wherein:
the establishing the secure tunnel and the authenticating the user equipment with
the network begin simultaneously.

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

6. (Original) A method in accordance with claim 1 wherein:
the one network entity comprises a server and the another network entity
comprises a server.

7. (Original) A method in accordance with claim 2 wherein:
the one network entity comprises a server and the another network entity
comprises a server.

8. (Original) A method in accordance with claim 3 wherein:

the one network entity comprises a server and the another network entity comprises a server.

9. (Original) A method in accordance with claim 4 wherein:
the one network entity comprises a server and the another network entity comprises a server.

10. (Original) A method in accordance with claim 5 wherein:
the one network entity comprises a server and the another network entity comprises a server.

11. (Original) A method in accordance with claim 1 comprising:
an access network which provides connection of the user equipment to the network, the secure tunnel is established between the user equipment and the access network and the one network entity is part of the access network.

12. (Original) A method in accordance with claim 2 comprising:
an access network which provides connection of the user equipment to the network, the secure tunnel is established between the user equipment and the access network and the one network entity is part of the access network.

13. (Original) A method in accordance with claim 3 comprising:
an access network which provides connection of the user equipment to the network, the secure tunnel is established between the user equipment and the access network and the one network entity is part of the access network.

14. (Original) A method in accordance with claim 4 comprising:
an access network which provides connection of the user equipment to the network, the secure tunnel is established between the user equipment and the access network and the one network entity is part of the access network.

15. (Original) A method in accordance with claim 5 comprising:
an access network which provides connection of the user equipment to the network, the secure tunnel is established between the user equipment and the access network and the one network entity is part of the access network.

16. (Original) A method in accordance with claim 6 comprising:
an access network which provides connection of the user equipment to the network, the secure tunnel is established between the user equipment and the access network and the one network entity is part of the access network.

17. (Original) A method in accordance with claim 7 comprising:

an access network which provides connection of the user equipment to the network, the secure tunnel is established between the user equipment and the access network and the one network entity is part of the access network.

18. (Original) A method in accordance with claim 8 comprising:

an access network which provides connection of the user equipment to the network, the secure tunnel is established between the user equipment and the access network and the one network entity is part of the access network.

19. (Original) A method in accordance with claim 9 comprising:

an access network which provides connection of the user equipment to the network, the secure tunnel is established between the user equipment and the access network and the one network entity is part of the access network.

20. (Original) A method in accordance with claim 10 comprising:

an access network which provides connection of the user equipment to the network, the secure tunnel is established between the user equipment and the access network and the one network entity is part of the access network.

21. (Original) A method in accordance with claim 1 wherein:

the user equipment is wirelessly connected to the at least one network.

22. (Original) A method in accordance with claim 2 wherein:
the user equipment is wirelessly connected to the at least one network.
23. (Original) A method in accordance with claim 3 wherein:
the user equipment is wirelessly connected to the at least one network.
24. (Original) A method in accordance with claim 14 wherein:
the access network communicates with the user equipment to confirm that the
request from the user equipment to establish a secure tunnel is not part of a denial of
service attack.
25. (Original) A method in accordance with claim 24 wherein:
communication during the time includes at least one of a request for an
identification of the user equipment and a request for capability of the user equipment to
support at least one data protocol.
26. (Original) A method in accordance with claim 6 wherein:
the user equipment is wirelessly connected to the at least one network.
27. (Original) A method in accordance with claim 11 wherein:

the user equipment is wirelessly connected to the at least one network.

28. (Original) A method in accordance with claim 1 wherein:

the at least one network comprises an access network and a home network.

29. (Original) A method in accordance with claim 1 wherein:

the at least one network comprises a home network.

30. (Original) A method in accordance with claim 1 wherein:

the at least one network comprises a visited network

31. (Currently Amended) A communication system comprising at least one network, including network entities which provide connectivity to user equipment and wherein:

a secure tunnel is established which provides connection between the user equipment and one of the network entities, the user equipment is authenticated with another of the network entities, and the authenticating of the user equipment with the another of the network entities occurs at least partially simultaneously with a phase of the establishing of the secure tunnel, wherein the phase is determined based on protocol or authentication method,

wherein the establishing the secure tunnel begins before authenticating the user equipment with the network and wherein during a time between a beginning of establishing the secure tunnel with one of the network entities and a beginning of authenticating the user equipment with another of the network entities, the at least one network communicates with the user equipment to confirm that the request from the user equipment to establish a secure tunnel is not part of a denial of service attack, and wherein

communication during the time includes at least one of a request for an identification of the user equipment and a request for capability of the user equipment to support at least one data protocol.

32. (Original) A system in accordance with claim 31 wherein:
the establishing the secure tunnel and the authenticating the user equipment with the network begin simultaneously.

33. (Cancelled)

34. (Cancelled)

35. (Cancelled)

36. (Original) A system in accordance with claim 31 wherein:
the one network entity comprises a server and the another network entity
comprises a server.

37. (Original) A system in accordance with claim 31 comprising:
an access network which provides connection of the user equipment to the
network, the secure tunnel is established between the user equipment and the access
network and the one network entity is part of the access network.

38. (Original) A system in accordance with claim 31 wherein:
the user equipment is wirelessly connected to the at least one network.

39. (Original) A system in accordance with claim 31 wherein:
the access network communicates with the user equipment to confirm that the
request from the user equipment to establish a secure tunnel is not part of a denial of
service attack.

40. (Currently Amended) A user equipment in a communication system
comprising at least one network, including network entities which provide connectivity to
the user equipment and wherein:

a secure tunnel is established which provides connection between the user equipment and one of the network entities, the user equipment is authenticated with another of the network entities, and the authenticating of the user equipment with the another of the network entities occurs at least partially simultaneously with a phase of the establishing of the secure tunnel, wherein the phase is determined based on a protocol or authentication method,

wherein the establishing the secure tunnel begins before the authenticating the user equipment with the network and wherein during a time between a beginning of establishing the secure tunnel with one of the network entities and a beginning of authenticating the user equipment with another of the network entities, the at least one network communicates with the user equipment to confirm that the request from the user equipment to establish a secure tunnel is not part of a denial of service attack, and wherein communication during the time includes at least one of a request for an identification of the user equipment and a request for capability of the user equipment to support at least one data protocol.

41. (Original) A user equipment in accordance with claim 40 wherein:
the establishing the secure tunnel and the authenticating the user equipment with the network begin simultaneously.

42. (Cancelled)

43. (Cancelled)

44. (Cancelled)

45. (Original) A user equipment in accordance with claim 40 wherein:
the one network entity comprises a server and the another network entity
comprises a server.

46. (Original) A user equipment in accordance with claim 40 comprising:
an access network which provides connection of the user equipment to the
network, the secure tunnel is established between the user equipment and the access
network and the one network entity is part of the access network.

47. (Original) A user equipment in accordance with claim 40 wherein:
the user equipment is wirelessly connected to the at least one network.

48. (Original) A user equipment in accordance with claim 40 wherein:

the access network communicates with the user equipment to confirm that the request from the user equipment to establish a secure tunnel is not part of a denial of service attack.